

Product datasheet for **TP308136**

MRPL41 (NM_032477) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human mitochondrial ribosomal protein L41 (MRPL41), nuclear gene encoding mitochondrial protein, 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC208136 protein sequence Red =Cloning site Green =Tags(s) |

MGVLA AAAARCLVRGADRMSKWTSKRGPRSFGRGRKGRGAKGIGFLTSGWRFVQIKEMVPEFVVPDLTGFKL
KPYVSYLAP ESEETPLTAAQLFSEAVAPAIEKDFKDGTFDPDNLEKYGF EPTQEGKLFQLYPRNFLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 15.2 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_115866 |
| Locus ID: | 64975 |
| UniProt ID: | Q8IXM3 |
| RefSeq Size: | 632 |



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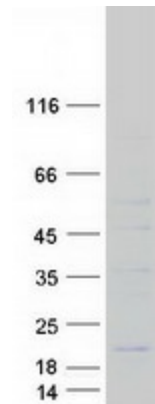
Cytogenetics: 9q34.3

RefSeq ORF: 411

Synonyms: BMRP; MRP-L27; MRPL27; PIG3; RPML27

Summary: Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 39S subunit protein that belongs to the YmL27 ribosomal protein family. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified MRPL41 protein (Cat# TP308136). The protein was produced from HEK293T cells transfected with MRPL41 cDNA clone (Cat# [RC208136]) using MegaTran 2.0 (Cat# [TT210002]).